



## POWER OF ATTORNEY

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TC 1700

First Named Inventor: <b>Carl Robert Towns</b>	Attorney Docket No.: <b>62792</b>
Application No.: <b>09/936,295</b>	Examiner: <b>Patricia Hampton Hightower</b>
Filing Date: <b>February 12, 2002</b>	Group Art Unit: <b>1711</b>
Title: <b>POLYMERS, THEIR PREPARATION AND USES</b>	Customer No.: <b>00109</b>
Confirmation No. <b>2451</b>	

I, Philip D. Shepherd, hereby appoint the attorney(s) and/or agent(s) at the following Customer No. to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Address all correspondence to The Dow Chemical Company's appointed counsel at: **000109**, and all telephonic communications to the following:


Susan Moeller Zerull

(989) 636-8858

Reg. No. 38,367

This appointment, including the right to delegate this appointment, shall also apply to the same extent it is applicable under the laws of the United States of America to any proceedings established by the Patent Cooperation Treaty.

**DOW GLOBAL TECHNOLOGIES INC.**

  
\_\_\_\_\_  
**PHILIP D. SHEPHERD**  
**President**

Dated: 26 September 2003



AUGUST 18, 2003

THE DOW CHEMICAL COMPANY  
CRYSTAL S. ROHDE  
P.O. BOX 1967  
INTELLECTUAL PROPERTY  
MIDLAND, MI 48641-1967

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Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102401912A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/24/2003

REEL/FRAME: 013878/0439  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CAMBRIDGE DISPLAY TECHNOLOGY  
LIMITED

DOC DATE: 03/05/2003

ASSIGNEE:

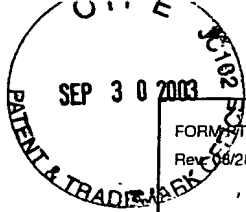
DOW CHEMICAL COMPANY, THE  
2030 DOW CENTER  
MIDLAND, MICHIGAN 48674

SERIAL NUMBER: 09936295  
PATENT NUMBER:

FILING DATE: 02/12/2002  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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OCT 03 2003  
TC 1700



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FORM PTO-1595  
Rev. 04/28/92



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Patent and Trademark Office

Y

3.24.03

Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
CAMBRIDGE DISPLAY TECHNOLOGY LIMITED  
Greenwich House, Madingley Rise  
Madingley Road  
Cambridge CB3 0TX  
UNITED KINGDOM

2. Name and address of receiving party(ies):  
THE DOW CHEMICAL COMPANY  
2030 Dow Center  
Midland, Michigan 48674  
UNITED STATES OF AMERICA

☐ Additional name(s) of conveying party(ies) is attached.

☐ Additional name(s) & address(es) are attached.

3. Nature of conveyance:

☒ Assignment

☐ Security Agreement

☐ Other \_\_\_\_\_

☐ Merger

☐ Change of Name

Execution Date(s) March 5, 10, 2003

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TC 1700

4. Application Number(s) or Patent Number(s):

09/936,295 March 13, 2000

If this document is being filed together with a new application, the execution date of the application is:

☐ Additional Application Number(s) or Patent Number(s) are attached.

FINANCE SECTION  
OCT 24 AM 7:19

5. Name and address of party to whom correspondence concerning document should be mailed:

The Dow Chemical Company  
Intellectual Property  
P. O. Box 1967  
Midland, Michigan 48641-1967  
United States of America

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed

☒ Please deduct the above fee from our Deposit Account

8. Deposit Account 04-1512. If this estimate is incorrect, please debit or credit our account accordingly.

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: March 18, 2003

62,792 US

Crystal S. Rohde  
Crystal S. Rohde  
Office Professional  
(989) 636-1954

03/26/2003 LMUELLER 00000184 041512 09936295

01 FC:8021

40.00 CH

WIF

Total number of pages including attachments: 5



[illegible]

**(TRANSFER)**

a corporation organized and existing under the laws of England do hereby claim and declare that we are the recorded owner of the following Patent Application(s) or Letters Patent(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Application No. 09/936,295 which was filed on March 13, 2000 in the names of Carl Robert Towns; Richard O'Dell; Stephen John Martin O'Connor and entitled: POLYMERS, THEIR PREPARATION AND USES

**ASSIGNEE:** THE DOW CHEMICAL COMPANY  
of: 2030 Dow Center  
Midland, Michigan 48674  
UNITED STATES OF AMERICA

a corporation organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s), and consent to the recordal of this Assignment.

## ASSIGNEE

Accepted by us:

At Midland, Michigan 48674, USA

this 10 day of March 2003

THE DOW CHEMICAL COMPANY

By Graham E. Taylor  
Graham E. Taylor  
Authorized Representative

CORP.  
SEAL



AUGUST 18, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
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THE DOW CHEMICAL COMPANY  
INTELLECTUAL PROPERTY  
P.O. BOX 1967  
MIDLAND, MI 48641-1967



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UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 03/24/2003

REEL/FRAME: 013878/0466  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DOW CHEMICAL COMPANY, THE

DOC DATE: 03/11/2003

ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.  
WASHINGTON ST., 1790 BUILDING  
MIDLAND, MICHIGAN 48674

SERIAL NUMBER: 09936295  
PATENT NUMBER:

FILING DATE: 02/12/2002  
ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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AUG 21 2003  
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03-27-2003



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ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

3.24.03

Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
THE DOW CHEMICAL COMPANY  
2030 Dow Center  
Midland, Michigan 48674  
UNITED STATES OF AMERICA

2. Name and address of receiving party(ies):  
DOW GLOBAL TECHNOLOGIES INC.  
Washington Street  
1790 Building  
Midland, Michigan 48674  
UNITED STATES OF AMERICA

☐ Additional name(s) of conveying party(ies) is attached.

☐ Additional name(s) & address(es) are attached.

3. Nature of conveyance:  
☒ Assignment  
☐ Security Agreement  
☐ Other \_\_\_\_\_

☐ Merger  
☐ Change of Name

Execution Date(s) March 11, 12, 2003

4. Application Number(s) or Patent Number(s):

09/936,295 March 13, 2000

If this document is being filed together with a new application, the execution date of the application is:

☐ Additional Application Number(s) or Patent Number(s) are attached.

5. Name and address of party to whom correspondence concerning document should be mailed:

The Dow Chemical Company  
Intellectual Property  
P. O. Box 1967  
Midland, Michigan 48641-1967  
United States of America

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00  
☐ Enclosed  
☒ Please deduct the above fee from our Deposit Account

8. **Deposit Account 04-1512.** If this estimate is incorrect, please debit or credit our account accordingly.

DO NOT USE THIS SPACE

9. Statement and signature:

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Dated: March 18, 2003

*Crystal S. Rohde*  
Crystal S. Rohde  
Office Professional  
(989) 636-1954

62,792 US

03/26/2003 LMUELLER 00000183 041512 09936295

01 FC:8021

40.00 CH

Total number of pages including attachments: 5

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✓

[illegible]

This Assignment 990 is in the ENGLISH language and has the same meaning in other languages with the same 990 number.

**(TRANSFER)**

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we are the recorded owner of the following Patent Application(s) or Letters Patent(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Application No. 09/936,295 which was filed on March 13, 2000 in the names of Carl Robert Towns; Richard O'Dell; Stephen John Martin O'Connor and entitled: POLYMERS, THEIR PREPARATION AND USES

**ASSIGNEE:** DOW GLOBAL TECHNOLOGIES INC.  
of: Washington Street  
1790 Building  
Midland, Michigan 48674  
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, our entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s), and consent to the recordal of this Assignment.

## ASSIGNEE

Accepted by us:

At Midland, Michigan 48674, USA

this 12 day of March 2003

DOW GLOBAL TECHNOLOGIES INC.

By Noreen D. Warrick  
Noreen D. Warrick  
Secretary

CORP.  
SEAL

**TRUE COPY**

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

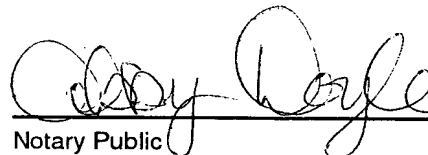
at Midland, Michigan 48674, USAthis 18<sup>th</sup> day of March 2003**Crystal S. Rohde****Office Professional****THE DOW CHEMICAL COMPANY****NOTARIAL CERTIFICATE**

UNITED STATES OF AMERICA )  
STATE OF **MICHIGAN** ) SS  
County/Parish of **Midland** )

On this 18<sup>th</sup> day of March 2003, personally appeared  
before me,

**Crystal S. Rohde**

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL  
  
Notary Public

**Abby Doyle**  
**Notary Public, Saginaw County, Michigan**  
**Acting in Midland County, Michigan**  
**My Commission Expires September 27, 2005**